

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A method of transmitting data over first and second channels, the first channels having a predefined grade of service and the second channels having a variable grade of service, the method comprising:

determining an actual load of a transmit power amplifier,

determining a share of the load which is due to the transmission over the second channels,

determining a share of the load which is due to the transmission over the first channels by subtracting the share of the load which is due to the transmission over the second channels from the actual load of the transmit power amplifier,

determining a difference between a maximum load and the share of the load which is due to the transmission over the first channels, and

controlling the transmission over the second channels on the basis of the difference.

2. (Original) The method of claim 1, whereby the first channels are dedicated channels and the second channels are shared channels.

3. (Original) The method of claim 1, whereby the load is determined by means of a moving average of the load being required to transmit the data over the first and second channels by means of the transmit power amplifier.

4. (Original) The method of claim 1, the maximum load being a mean power amplitude, whereby the mean power amplitude is a safety margin below a maximum peak power amplitude.

5. (Canceled)

6. (Original) The method of claim 1, whereby the control is performed by a scheduler for the second channels.

7. (Original) The method of claim 1, the transmission of data over the first channels being scheduled by a scheduler for the first channels independently from the scheduler for the second channels.

8. (Currently Amended) A computer program product, in particular digital storage medium, for controlling transmission of data over second channels of a telecommunication system having first and second channels, the first channels having a pre-defined grade of service and the second channels having a variable grade of service, comprising program means for performing :

entering data indicative of an actual load of a transmit power amplifier;

determining a share of the load which is due to the transmission over the second channels;

determining a share of the load due to the transmission over the first channels by subtracting the share of the load which is due to the transmission over the second channels from the actual load of the transmit power amplifier;

determining a difference between a maximum load and the share of the load due to the transmission over the first channels; and

controlling the transmission over the second channels on the basis of the difference.

9. (Currently Amended) A base station for transmitting of data over first and second channels, the first channels having a predefined grade of service and the second channels having a variable grade of service, the base station comprising:

means for determining an actual load of a transmit power amplifier,

means for determining a share of the load which is due to the transmission over the second channels,

means for determining a share of the load which is due to the transmission over the first channels by subtracting the share of the load which is due to the transmission over the second channels from the actual load of the transmit power amplifier,

means for determining a difference between a maximum load and the share, and

means for controlling the transmission over the second channels on the basis of the difference.

10. (Currently Amended) A wireless cellular telecommunication network for transmitting of data over first and second channels, the first channels having a predefined grade of service and the second channels having a variable grade of service, the telecommunication network comprising:

means for determining an actual load of a transmit power amplifier,

means for determining a share of the load which is due to the transmission over the second channels,

means for determining a share of the load which is due to the transmission over the first channels by subtracting the share of the load which is due to the transmission over the second channels from the actual load of the transmit power amplifier,

means for determining a difference between a maximum load and the share,

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means for controlling the transmission over the second channels on the basis of the difference.